

Detailed Data Tables: People Born Outside the US

Recent changes to the presentation of Massachusetts HIV/AIDS surveillance data

Effective January 1, 2011, the Massachusetts Department of Public Health (MDPH), Bureau of Infectious Diseases, HIV/AIDS fact sheets, epidemiologic reports and other HIV data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts. As of January 1, 2014, this resulted in the removal of 4,135 HIV/AIDS cases, of which 973 have died and 3,162 were living. These persons living with HIV/AIDS may still continue to reside and receive care in the Commonwealth. The total number of persons living with HIV/AIDS, irrespective of location at diagnosis, is the basis for MDPH service planning. This change is partially a result of increased activities required by the Centers for Disease Control and Prevention (CDC) for de-duplication among states in an effort to identify cases that are counted multiple times in the National HIV/AIDS Surveillance System. The cases are assigned to the state that reports the earliest date of AIDS diagnosis if available. If the case has not progressed to AIDS, the case is assigned to the state with the earliest HIV diagnosis date. Please note that previous HIV/AIDS fact sheets, data reports and presentations included cases that may have been first diagnosed in another state.

Also effective January 1, 2011, the MDPH HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to eliminate the presumed heterosexual risk category for men; those cases have been reassigned to the no identified risk (NIR) category. The presumed heterosexual reported risk category was used with the intention of identifying HIV risk for women when sex with men is the only reported risk factor, there is no evidence of current or past injection drug use (IDU), and behavioral risk and HIV status information about male sexual partners are unknown. Twenty-nine percent of women living with HIV/AIDS and 40% of recent female HIV diagnoses are reported in the presumed heterosexual risk category. The application of the presumed heterosexual risk category to men is overly inclusive in that HIV transmission from a woman to a man is biologically less probable, and there are alternate reported risks that are possible for men, including sex with other men (MSM) or IDU. The CDC reports men diagnosed with HIV/AIDS who report sex with women as their only risk factor, without corresponding partner risk or HIV status information, in the NIR category. This revision to report presumed heterosexual male HIV/AIDS cases as NIR will bring Massachusetts HIV/AIDS case reporting for men in alignment with CDC standards. The MDPH will maintain presumed heterosexual and heterosexual risk categories for women.

Table 1. People diagnosed with HIV infection by place of birth and year of diagnosis: Massachusetts¹, 2003–2012²

	US		Puerto Rico/ US dependency ³		Non-US		Total
	N	%	N	%	N	%	
2003	581	61%	81	8%	296	31%	958
2004	548	60%	99	11%	267	29%	914
2005	540	60%	82	9%	275	31%	897
2006	503	62%	58	7%	253	31%	814
2007	458	62%	56	8%	226	31%	740
2008	443	61%	67	9%	220	30%	730
2009	433	63%	48	7%	211	30%	692
2010	431	63%	43	6%	215	31%	689
2011	407	60%	41	6%	234	34%	682
2012	391	56%	62	9%	241	35%	694

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available 10 year period after the implementation of HIV infection reporting in 1999.

³ Ninety-eight percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 1% were born in an unknown dependency.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/14

Table 2. Men diagnosed with HIV infection by place of birth and year of diagnosis: Massachusetts¹, 2003–2012²

	US		Puerto Rico/ US dependency ³		Non-US		Total
	N	%	N	%	N	%	
2003	451	69%	41	6%	157	24%	649
2004	439	68%	64	10%	142	22%	645
2005	434	66%	58	9%	164	25%	656
2006	391	67%	40	7%	154	26%	585
2007	358	67%	38	7%	136	26%	532
2008	364	68%	42	8%	128	24%	534
2009	362	68%	31	6%	136	26%	529
2010	356	71%	34	7%	108	22%	498
2011	320	66%	30	6%	138	28%	488
2012	320	62%	49	9%	148	29%	517

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available 10 year period after the implementation of HIV infection reporting in 1999.

³ Ninety-eight percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 1% were born in an unknown dependency.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/14

Table 3. Women diagnosed with HIV infection by place of birth and year of diagnosis: Massachusetts¹ 2003–2012²

	US		Puerto Rico/ US dependency ³		Non-US		Total
	N	%	N	%	N	%	
2003	130	42%	40	13%	139	45%	309
2004	109	41%	35	13%	125	46%	269
2005	106	44%	24	10%	111	46%	241
2006	112	49%	18	8%	99	43%	229
2007	100	48%	18	9%	90	43%	208
2008	79	40%	25	13%	92	47%	196
2009	71	44%	17	10%	75	46%	163
2010	75	39%	9	5%	107	56%	191
2011	87	45%	11	6%	96	49%	194
2012	71	40%	13	7%	93	53%	177

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available 10 year period after the implementation of HIV infection reporting in 1999.

³ Ninety-eight percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 1% were born in an unknown dependency.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/14

Table 4. People living with HIV/AIDS on December 31, 2013 by place of birth: Massachusetts¹

Place of Birth:	HIV/AIDS	
	N	%
US	12,522	65%
Puerto Rico/US dependency ²	1,949	10%
Non-US	4,694	24%
Total³	19,165	100%

¹ Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Ninety-eight percent of people living with HIV/AIDS who were born in a US dependency were born in Puerto Rico, <1% were born in the US Virgin Islands, <1% were born in Guam and 2% were born in an unknown dependency.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 5. Non-US born people diagnosed with HIV infection by gender and region of birth: Massachusetts¹, 2010–2012²

Region of Birth:	Men		Women		State Total	
	N	%	N	%	N	%
Caribbean Basin	96	24%	106	36%	202	29%
Central & South America	133	34%	25	8%	158	23%
Central & South Asia	17	4%	-- ³	-- ³	20	3%
North Africa & Middle East	-- ³	-- ³	-- ³	-- ³	-- ³	-- ³
North America & Europe	26	7%	-- ³	-- ³	28	4%
Pacific Rim	-- ³	-- ³	-- ³	-- ³	-- ³	-- ³
Southeast Asia	18	5%	6	2%	24	3%
sub-Saharan Africa	81	21%	146	49%	227	33%
Unspecified	14	4%	6	2%	20	3%
Total	394	100%	296	100%	690	100%

¹ Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

³ Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 6. Non-US born people living with HIV/AIDS on December 31, 2013 by gender and region of birth: Massachusetts¹

Region of Birth:	Men		Women		State Total	
	N	%	N	%	N	%
Caribbean Basin	825	30%	697	36%	1,522	32%
Central & South America	839	30%	204	11%	1,043	22%
Central & South Asia	66	2%	11	1%	77	2%
North Africa & Middle East	26	1%	-- ²	-- ²	30	1%
North America & Europe	231	8%	45	2%	276	6%
Pacific Rim	13	<1%	-- ²	-- ²	17	<1%
Southeast Asia	120	4%	44	2%	164	3%
sub-Saharan Africa	576	21%	889	46%	1,465	31%
Unspecified	61	2%	39	2%	100	2%
Total³	2,757	100%	1,937	100%	4,694	100%

¹ Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 7. Non-US born people diagnosed with HIV infection by leading countries of birth: Massachusetts¹, 2010–2012²

Rank	Country of Birth	Number of HIV Dx ³ among Non-US	% of Total HIV Diagnoses among Non-US
1	Haiti	114	16.5%
2	Dominican Republic	66	9.6%
3	Brazil	60	8.7%
4	Cape Verde	38	5.5%
5	Uganda	37	5.4%
6	Kenya	25	3.6%
7	Ghana	23	3.3%
8	Nigeria	20	2.9%
9	El Salvador	20	2.9%
10	Columbia	19	2.8%

¹ Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

³ HIV Dx = HIV diagnoses

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 8. People diagnosed with HIV infection by Health Service Region (HSR)¹ of residence at diagnosis and place of birth: Massachusetts², 2010–2012³

	US		Puerto Rico/ US dependency ⁴		Non-US		Total
HSR	N	%	N	%	N	%	N
Boston HSR	378	60%	28	4%	219	35%	625
Central HSR	92	51%	24	13%	64	36%	180
Metro West HSR	174	54%	3	1%	145	45%	322
Northeast HSR	194	53%	26	7%	147	40%	367
Southeast HSR	186	66%	13	5%	82	29%	281
Western HSR	168	72%	42	18%	23	10%	233
Prison ⁵	35	64%	10	18%	10	18%	55
MA Total	1,229	60%	146	7%	690	33%	2,065

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence); see Epidemiologic Profile General Appendices, Health Service Region Maps, available at

http://www.mass.gov/dph/aids/research/profile2006/app5_hrs_maps.pdf for configuration of health service regions.

² Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

⁴ Ninety-eight percent of people diagnosed with HIV infection from 2010–2012 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.⁵

HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prison includes only persons who were diagnosed with HIV/AIDS while in a correctional facility

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Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 9. People living with HIV/AIDS on December 31, 2013 by Health Service Region (HSR)¹ of residence at diagnosis and place of birth: Massachusetts²

	US		Puerto Rico/ US dependency ³		Non-US		Total
HSR	N	%	N	%	N	%	N
Boston HSR	4,059	67%	367	6%	1,653	27%	6,079
Central HSR	988	61%	286	18%	358	22%	1,632
Metro West HSR	1,694	61%	77	3%	1,028	37%	2,799
Northeast HSR	1,718	57%	368	12%	953	31%	3,039
Southeast HSR	1,958	75%	153	6%	505	19%	2,616
Western HSR	1,449	70%	491	24%	129	6%	2,069
Prison ⁴	653	71%	207	22%	64	7%	924
MA Total	12,522	65%	1,949	10%	4,694	24%	19,165

¹ Reflects the health service region of a person's residence at the time of report (not necessarily current residence); see Epidemiologic Profile General Appendices, Health Service Region Maps, available at

http://www.mass.gov/dph/aids/research/profile2006/app5_hrs_maps.pdf for configuration of health service regions

² Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Ninety-four percent of people living with HIV/AIDS who were born in a US dependency were born in Puerto Rico, <1% were born in the US Virgin Islands, and 6% were born in an unknown dependency

⁴ HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prison includes only persons who were diagnosed with HIV/AIDS while in a correctional facility

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 10. Percentage distribution of Non-US born people diagnosed with HIV infection by world region of birth¹ and health service region:² Massachusetts³, 2010–2012⁴

	Caribbean Basin	C ⁵ &S ⁶ America	N ⁷ America & Europe	Southeast Asia	sub- Saharan Africa
Boston HSR	37%	41%	25%	25%	22%
Central HSR	4%	4%	7%	4%	19%
Metro West HSR	14%	28%	29%	13%	20%
Northeast HSR	26%	17%	7%	33%	22%
Southeast HSR	15%	5%	25%	8%	13%
Western HSR	2%	2%	7%	8%	4%
Prison	1%	3%	0%	8%	<1%
Total N⁹	202	158	28	24	227

¹ World Regions of Central & South Asia, North Africa & Middle East, and Pacific Rim are not included in this analysis because small numbers make the data difficult to interpret

² Reflects the health service region of a person's residence at the time of report (not necessarily current residence); see Epidemiologic Profile General Appendices, Health Service Region Maps, available at http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of health service regions.

³ Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

⁴ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

⁵ C=Central

⁶ S=South

⁷ N=North

⁸ Numbers less than five for populations of less than 50,000 are suppressed for the assurance of confidentiality.

⁹ Totals include individuals whose Health Service Region of residence is unknown.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/13

Table 11. Percentage distribution of non-US born people living with HIV/AIDS on December 31, 2013 by world region of birth¹ and health service region:² Massachusetts³

	Caribbean Basin	C ⁴ &S ⁵ America	N ⁶ America & Europe	Southeast Asia	sub- Saharan Africa
Boston HSR	43%	44%	30%	24%	23%
Central HSR	4%	5%	5%	10%	13%
Metro West HSR	17%	22%	21%	14%	28%
Northeast HSR	22%	16%	14%	41%	21%
Southeast HSR	10%	9%	27%	4%	10%
Western HSR	2%	2%	3%	5%	3%
Prison	2%	1%	0%	2%	1%
Total N⁷	1,522	1,043	276	164	1,465

¹ World Regions of Central & South Asia, North Africa & Middle East, and Pacific Rim are not included in this analysis because small numbers make the data difficult to interpret

² Reflects the health service region of a person's residence at the time of report (not necessarily current residence); see Epidemiologic Profile General Appendices, Health Service Region Maps, available at http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of health service regions.

³ Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

⁴ C=Central

⁵ S=South

⁶ N=North

⁷ Numbers less than five for populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 12. Ten cities/towns¹ in Massachusetts² with the highest proportion of HIV infection diagnoses among people born outside the US: 2010–2012³

Rank	City/Town	Number of HIV Dx among Non-US Born	Total Number of HIV Dx	Percent of Total HIV Dx
1	Everett	17	24	71%
2	Brockton	50	73	68%
3	Somerville	19	32	59%
4	Chelsea	18	31	58%
5	Waltham	18	31	58%
6	Lynn	30	52	58%
7	Framingham	11	20	55%
8	Malden	13	25	52%
9	Cambridge	22	43	51%
10	Medford	11	22	50%

¹ Among cities/towns with at least 20 reported HIV Infection diagnoses in the years 2010–2012. Note: reflects the city/town of a person's residence at the time of report (not necessarily current residence). People diagnosed while at a correctional facility are not included.

² Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 13. People diagnosed with HIV infection, place of birth by gender, race/ethnicity and reported risk: Massachusetts,¹ 2010–2012²

	US Born		Puerto Rico/ US dependency ³		Non-US Born	
By Gender:	N	%	N	%	N	%
Men	996	81%	113	77%	394	57%
Women	233	19%	33	23%	296	43%
By Race/Ethnicity:						
White (non-Hispanic)	712	58%	-- ⁷	-- ⁷	64	9%
Black (non-Hispanic)	300	24%	-- ⁷	-- ⁷	364	53%
Hispanic	180	15%	144	99%	209	30%
Asian/Pacific Islander	20	2%	0	0%	46	7%
Other/Unknown	17	1%	0	0%	7	1%
By Reported risk:						
Male Sex with Male (MSM)	671	55%	39	27%	171	25%
Injection Drug Use (IDU)	121	10%	42	29%	9	1%
MSM/IDU	53	4%	5	3%	5	1%
Total Heterosexual Sex (HTSX)	84	7%	25	17%	119	17%
• HTSX w/ an injection drug user	24	2%	8	5%	6	1%
• HTSX w/ bisexual men (women only)	-- ⁷	-- ⁷	-- ⁷	-- ⁷	-- ⁷	-- ⁷
• Other HTSX ⁴	-- ⁷	-- ⁷	-- ⁷	-- ⁷	-- ⁷	-- ⁷
• HTSX w/ a person w/ HIV or AIDS	55	4%	16	11%	108	16%
Blood/Blood products	0	0%	-- ⁷	-- ⁷	-- ⁷	-- ⁷
Pediatric	9	1%	-- ⁷	-- ⁷	-- ⁷	-- ⁷
Total Undetermined	291	24%	34	23%	383	56%
• Presumed HTSX ⁵	72	6%	7	5%	176	26%
• Undetermined ⁶	219	18%	27	18%	207	30%
Total	1,229	100%	146	100%	690	100%

¹ Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

³ Ninety-nine percent of people diagnosed with HIV infection from 2010–2012 who were born in a US dependency were born in Puerto Rico, <1% were born in the US Virgin Islands and <1% were born in Guam.

⁴ Includes heterosexual sex with a person who received blood/blood products.

⁵ Includes woman sex with man of unknown HIV status or risk. This category is limited to women.

⁶ Includes man sex with woman of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

⁷ Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Note: The category of “presumed heterosexual” is used in Massachusetts to re-assign women who are reported with a risk of heterosexual sex, but only with a partner of unknown HIV status or behavioral risk. Massachusetts uses the category of presumed heterosexual to distinguish these women from other undetermined cases about which we know less. Prior to January 1, 2011, the presumed heterosexual category was also used to report HIV data in men. The rationale for the application of the presumed heterosexual reported risk category to women only has been addressed in the MDPH OHA report “Intersecting Risks: HIV Infection among Heterosexual Women and Men in Massachusetts.” (2010)

http://www.mass.gov/Eeohhs2/docs/dph/aids/intersecting_risks.pdf. Nationally, the Centers for Disease Control and Prevention categorize “presumed heterosexual” cases as “no identified risk” (NIR). As such, comparisons of the presumed heterosexual category cannot be made to national data. Caution should be used in interpreting data for presumed heterosexual, as it is still not clear what the risk was for women in this category. Although a person may not report other risk behaviors, such as injection drug use to a health care provider, it does not exclude the possibility that an individual has experienced these other risks. There are many barriers to disclosing HIV risk behaviors in the health care setting such as a limited patient-provider relationship or stigma.

Table 14. People living with HIV/AIDS on December 31, 2013, place of birth by gender, race/ethnicity, and reported risk: Massachusetts¹

	US born		Puerto Rico/ US dependency ²		Non-US born	
By Gender:	N	%	N	%	N	%
Men	9,624	77%	1,299	67%	2,757	59%
Women	2,898	23%	650	33%	1,937	41%
By Race/Ethnicity:	N	%	N	%	N	%
White (non-Hispanic)	7,766	62%	10	1%	521	11%
Black (non-Hispanic)	3,071	25%	15	1%	2,659	57%
Hispanic	1,497	12%	1,924	99%	1,244	27%
Asian/Pacific Islander	80	1%	0	0%	250	5%
Other/Unknown	108	1%	0	0%	20	<1%
By Reported risk:						
Male Sex with Male (MSM)	5,886	47%	217	11%	1,034	22%
Injection Drug Use (IDU)	2,594	21%	928	48%	161	3%
MSM/IDU	548	4%	70	4%	43	1%
Total Heterosexual Sex (HTSX)	1,277	10%	408	21%	1,035	22%
• HTSX w/ an injection drug user	574	5%	209	11%	106	2%
• HTSX w/ bisexual men (women only)	35	<1%	-- ⁶	-- ⁶	8	<1%
• HTSX w/ a person w/ HIV or AIDS	27	<1%	-- ⁶	-- ⁶	14	<1%
• Other HTSX ³	641	5%	194	10%	907	19%
Blood/Blood products	-- ⁶	-- ⁶	-- ⁶	-- ⁶	11	<1%
Pediatric	269	2%	19	1%	43	1%
Occupational	-- ⁶	-- ⁶	-- ⁶	-- ⁶	0	0%
Total Undetermined	1,892	15%	306	16%	2367	50%
• Presumed HTSX ⁴	580	5%	116	6%	1,018	22%
• Undetermined ⁵	1,312	10%	190	10%	1,349	29%
Total⁷	12,522	100%	1,949	100%	4,694	100%

¹ Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Ninety-six percent of people living with HIV/AIDS who were born in a US dependency were born in Puerto Rico, <1% were born in the US Virgin Islands, and 3% were born in an unknown dependency.

³ Includes heterosexual sex with a person who received blood/blood products.

⁴ Includes woman sex with man of unknown HIV status or risk. This category is limited to women.

⁵ Includes man sex with woman of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

⁶ Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 15. Non-US born people diagnosed with HIV infection, gender by reported risk and race/ethnicity: Massachusetts,¹ 2010–2012²

	Men		Women	
Reported Risk:	N	%	N	%
Male Sex with Male (MSM)	171	43%	N/A	N/A
Injection Drug Use (IDU)	5	1%	-- ⁶	-- ⁶
MSM/IDU	5	1%	N/A	N/A
Heterosexual Sex (HTSX)	37	9%	82	28%
Blood/Blood products	-- ⁶	-- ⁶	-- ⁶	-- ⁶
Pediatric	-- ⁶	-- ⁶	-- ⁶	-- ⁶
Total Undetermined	175	44%	208	70%
• Presumed HTSX ⁴	N/A	N/A	176	59%
• Undetermined ⁵	175	44%	32	11%
Race/Ethnicity	N	%	N	%
White (non-Hispanic)	59	15%	5	2%
Black (non-Hispanic)	147	37%	217	73%
Hispanic	150	38%	59	20%
Asian/Pacific Islander	-- ⁶	-- ⁶	10	3%
Other/Unknown	-- ⁶	-- ⁶	5	2%
Total	394	100%	296	100%

¹ Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

³ N/A = Not Applicable

⁴ Includes woman sex with man of unknown HIV status or risk. This category is limited to women.

⁵ Includes man sex with woman of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

⁶ Values less than five are suppressed for populations less than 50,000 or for unknown values. Additional values may be suppressed to prevent back calculation.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 16. Non-US born people living with HIV/AIDS on December 31, 2013, gender by reported risk and race/ethnicity: Massachusetts¹

	Men		Women	
Reported Risk:	N	%	N	%
Male Sex with Male (MSM)	1,034	38%	N/A	N/A
Injection Drug Use (IDU)	111	4%	50	3%
MSM/IDU	43	2%	N/A	N/A
Heterosexual Sex (HTSX)	339	12%	696	36%
Other	28	1%	26	1%
Total Undetermined	1,202	44%	1,165	60%
• Presumed HTSX ³	N/A	N/A	1,018	53%
• Undetermined ⁴	1,202	44%	147	8%
Race/Ethnicity	N	%	N	%
White (non-Hispanic)	442	16%	79	4%
Black (non-Hispanic)	1,196	43%	1,463	76%
Hispanic	920	33%	324	17%
Asian/Pacific Islander	189	7%	61	3%
Other/Unknown	10	<1%	10	1%
Total⁵	2,757	100%	1,937	100%

¹ Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² N/A = Not Applicable

³ Includes woman sex with man of unknown HIV status or risk. This category is limited to women.

⁴ Includes man sex with woman of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 17. Percentage distribution of Non-US born people diagnosed with HIV infection by world region of birth¹ and reported risk: Massachusetts,² 2010–2012³

	Caribbean Basin	C ⁴ &S ⁵ America	N ⁶ America & Europe	Southeast Asia	sub-Saharan Africa
Male-to-Male Sex (MSM)	11%	54%	71%	42%	5%
Injection Drug Use (IDU)	1%	1%	0%	4%	<1%
MSM/IDU	0%	1%	4%	4%	0%
Heterosexual Sex (HTSX)	24%	8%	4%	21%	22%
Other	0%	0%	0%	0%	1%
Total Undetermined	62%	36%	21%	29%	72%
• Presumed HTSX ⁷	31%	8%	4%	8%	39%
• Undetermined ⁸	31%	28%	18%	21%	33%
Total N	202	158	28	24	227

¹ World Regions of Central & South Asia, North Africa & Middle East, and Pacific Rim are not included in this analysis because small numbers make the data difficult to interpret

² Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

⁴ C=Central

⁵ S=South

⁶ N=North

⁷ Includes woman sex with man of unknown HIV status or risk. This category is limited to women.

⁸ Includes man sex with woman of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 18. Percentage distribution of Non-US born people living with HIV/AIDS on December 31, 2013 by world region of birth¹ and reported risk: Massachusetts²

	Caribbean Basin	C ³ & S ⁴ America	N ⁵ America & Europe	Southeast Asia	sub- Saharan Africa
Male-to-Male Sex (MSM)	11%	50%	57%	32%	4%
Injection Drug Use (IDU)	4%	3%	11%	7%	2%
MSM/IDU	<1%	2%	4%	1%	0%
Heterosexual Sex (HTSX)	27%	14%	9%	20%	27%
Other	1%	<1%	1%	0%	2%
Total Undetermined	57%	32%	18%	40%	66%
• Presumed HTSX ⁶	23%	10%	4%	10%	35%
• Undetermined ⁷	34%	21%	14%	30%	31%
Total N⁹	1,522	1,043	276	164	1465

¹ World Regions of Central & South Asia, North Africa & Middle East, and Pacific Rim are not included in this analysis because small numbers make the data difficult to interpret

² Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

³ C=Central

⁴ S=South

⁵ N=North

⁶ Includes woman sex with man of unknown HIV status or risk. This category is limited to women.

⁷ Includes man sex with woman of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/14

Table 19. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by place of birth: Massachusetts¹, 2010–2012²

	HIV and AIDS Diagnosed within 2 Months	All HIV Infection Diagnoses	% Diagnosed with HIV and AIDS within 2 Months
Place of Birth:	N	N	%
United States	346	1,229	28%
Puerto Rico/US dependency ³	47	146	32%
Non-US	269	690	39%
Total	662	2,065	32%

¹ Effective January 1, 2011, the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

³ Ninety-eight percent of people diagnosed with HIV infection from 2009–2011 who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, 1% were born in Guam and 1% were born in an unknown dependency.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/14

Table 20. Deaths among persons reported with HIV/AIDS by place of birth and year of death: Massachusetts¹, 2003–2012

	US		Puerto Rico/ US dependency ²		Non-US		Total
Year of Death	N	%	N	%	N	%	N
2003	304	78%	52	13%	35	9%	391
2004	265	75%	57	16%	31	9%	353
2005	245	74%	61	18%	26	8%	332
2006	249	77%	46	14%	29	9%	324
2007	229	80%	35	12%	22	8%	286
2008	207	73%	40	14%	35	12%	282
2009	218	76%	39	14%	31	11%	288
2010	199	77%	39	15%	22	8%	260
2011	158	75%	32	15%	22	10%	212
2012	169	81%	22	11%	17	8%	208

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

² Ninety-eight percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 1% were born in an unspecified dependency.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/14

Table 21. World region of birth by countries of birth with at least 10 people living with HIV/AIDS on December 31, 2013: Massachusetts¹

World Region of Birth	Countries of Birth with ≥ 10 People Living with HIV/AIDS in Massachusetts
Caribbean Basin	Barbados, Cuba, Dominican Republic, Haiti, Jamaica, Trinidad & Tobago
Central & South America	Argentina, Brazil, Chile, Columbia, El Salvador, Guatemala, Honduras, Mexico, Peru, Venezuela
Central & South Asia	China, India
North Africa & Middle East	Lebanon
North America & Europe	Canada, France, Germany, Greece, Ireland, Italy, Portugal, Russia, Spain, United Kingdom
Pacific Rim	Philippines
Southeast Asia	Cambodia, Myanmar, Vietnam, Thailand
sub-Saharan Africa	Angola, Cameroon, Cape Verde, Congo, Cote d'Ivoire, Ethiopia, Ghana, Guinea, Kenya, Liberia, Malawi, Nigeria, Rwanda, Somalia, South Africa, Tanzania, Uganda, Zambia, Zimbabwe

¹ Effective January 1, 2011, the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

Data Source: MDPH HIV/AIDS Surveillance Program; data as of 1/1/14